



Environmental Findings

Traffic Noise



Introduction to Noise

- General Characteristics
 - Sound Transmission
 - Descriptors Used for Traffic Noise
- Peak-Hour Leq
 - Peak Noise Hour
- WSDOT Noise Regulations
 - 66 dBA for Residential Impacts
 - 71 dBA for Commercial Land Use



Noise Impact Analysis

- Existing Conditions
 - Noise Monitoring/Modeling Program
- Future Noise Level Modeling
 - Group Receivers
 - Traffic and Speed Information
 - Noise Reducing Design Options
- Identify Impacts
 - SR-520 and Other Modified Roads Only



Noise Abatement Measures

- Noise Reducing Design Options
 - Traffic Management Measures
 - Design Measures
 - Depressed Roads and Lidded Roads
- Noise Mitigation Measures
 - Noise Walls and Earth Berms
 - Other Noise Mitigation Methods